

ABSTRACT OF THE DISCLOSURE

METHOD AND APPARATUS FOR DETERMINING FUNCTIONAL PARAMETERS IN A RADIOLOGICAL APPARATUS

A method and apparatus for determining a set of functional parameters using a fluoroscopic radiography apparatus of the type comprising an X-ray source, a detector or recorder of the radiation facing the source, the source and the detector or recorder being installed on a mobile support capable of movement with respect to a table placed between the source and the detector or recorder on which a patient with a region of interest to be X-rayed will be placed. The method comprises a) movement of the support following a given movement with respect to the table, repeated during a given time; b) acquisition by the detector or recorder of a series of images of the region of interest during movement of the support with respect to the table; c) reconstitution of a series of three-dimensional models of the region of interest, starting from a series of acquired images; and d) determination of all functional parameters.